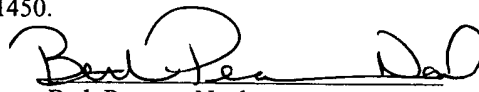


EXPRESS MAIL CERTIFICATE

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above, addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450.

  
Beth Pearson-Naul

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF:

Tubel et al.

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Docket No: 014-12049-D3

Serial No:

Art Unit:

Filed:

Examiner:

Title: Wellbores Utilizing Fiber Optic-based  
Sensors and Operating Devices

**PRELIMINARY AMENDMENT**

**CHANGE OF INVENTORSHIP UNDER 37 C.F.R. § 1.48(b) AND 37 C.F.R. 1.33(b)**

The application as filed had the following inventors:

Paulo S. Tubel, Glynn Williams, Michael Johnson, John Harrell, Jeff Lembecke, Kurt Hickey  
and Nigel Leggett.

As a result of cancellation of the claims herein, the invention of the following  
inventors is no longer being claimed in the application:

Glynn Williams, and Nigel Leggett.

Applicant respectfully requests deletion of Glynn Williams, and Nigel Leggett as inventors.

Prior to any substantive action in this case, please amend the application as indicated below.